This quick start guide describes how to install and use the Industrial Web-Smart High Power PoE (Power over Ethernet) Ethernet Switch. This is the switch of choice for harsh environments constrained by space.

# Physical Description

The Port Status LEDs and Power Inputs
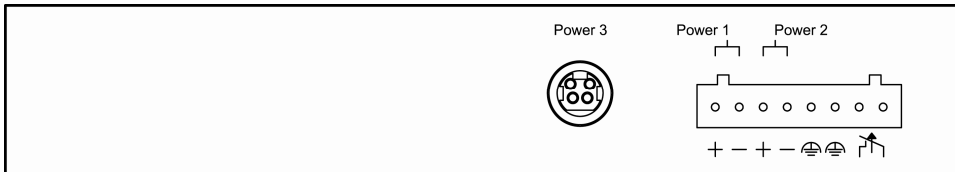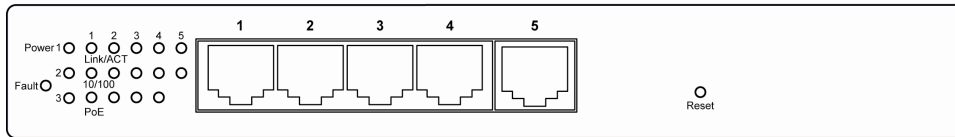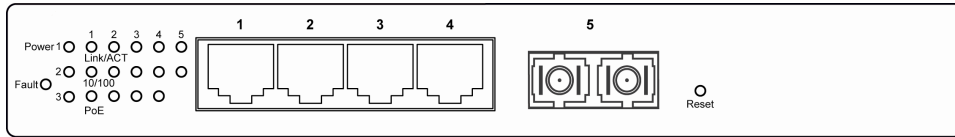
LED	State	Indication
Power1 Power2 Power3	Steady	Power on.
	Off	Power off.
Fault	Steady	Power redundant system failure occurred.
	Off	Power redundant system failure is not occurred.
10/100Base-TX, 100Base-FX/BX		
Link/ACT	Steady	A valid network connection established.
	Flashing	Transmitting or receiving data. ACT stands for ACTIVITY.
10/100	Steady	Valid port connection at 100Mbps.
	Off	Valid port connection at 10Mbps.
PoE	Steady	Powered Device (PD) is connected.
	Off	Powered Device (PD) is disconnected.

Power Input Assignment		
Power3	55VDC	DC Jack
Power2 +	55VDC	
Power2 −	Power Ground	
Power1 +	55VDC	Terminal Block
Power1 −	Power Ground	
⏚		Earth Ground
Relay Output Rating		1A @ 24VDC
Relay Alarm Assignment		
FAULT	*Relay warning signal disable for following: 1.The relay contact closes if Power1 and Power2 are both failed but Power3 on. 2.The relay contact closes if Power3 is failed but Power1 and Power2 are both on.	

The 10/100Base-TX and 100Base-FX/BX Connectors

The 10/100Base-TX Connections

The following lists the pinouts of 10/100Base-TX ports.
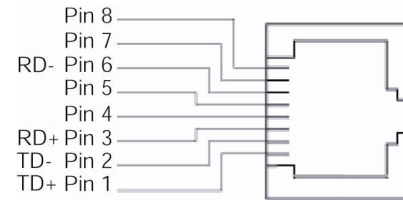
Pin	PoE Ports (Port 1-4)	Non-PoE Port (Port 5)
1	Output Transmit Data +	Output Transmit Data +
2	Output Transmit Data -	Output Transmit Data -
3	Input Receive Data +	Input Receive Data +
4	Positive (VCC+)	
5	Positive (VCC+)	
6	Input Receive Data -	Input Receive Data -
7	Negative (VCC-)	
8	Negative (VCC-)	

The 100Base-FX Connections

The fiber port pinouts

The Tx (transmit) port of device I is connected to the Rx (receive) port of device II, and the Rx (receive) port of device I to the Tx (transmit) port of device II.
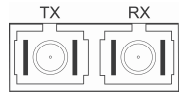
The WDM 100Base-BX Connections

The fiber port pinouts

Only one optical fiber is required to transmit and receive data.


Functional Description

- Meets EN61000-6-2 & EN61000-6-4 EMC Generic Standard Immunity for industrial environment.
- Manageable via Web browser interface.
- Port 1 – 4 support Power over Ethernet (PoE) Power Sourcing Equipment (PSE).
- High Power PoE design up to 30W.
- Supports 802.3/802.3u/802.3x. Auto-negotiation: 10/100Mbps, full/half-duplex. Auto MDI/MDIX.
- 100Base-FX: Multi mode/Single mode SC or ST type. 100Base-BX: WDM Multi mode/Single mode SC type.
- Supports 1024 MAC addresses. Provides 512K bits memory buffer.
- Alarms for power and port link failure by relay output.
- Power Supply: Redundant 55VDC Terminal Block power inputs and 55VDC DC JACK with optional 100-240VAC external power supply.
- Operating voltage and Max. current consumption: 2.36A @ 55VDC. Power consumption: 130W Max.
- -10℃ to 60℃ (-14℉ to 140℉) operating temperature range. Tested for functional operation @ -20℃ to 70℃ (-4℉ to 158℉).
- Supports Wall and Desktop Mounting installation.

V2

Web Configuration

- Login the switch:

  Specify the default IP address (192.168.1.10) of the switch in the web browser. A login window will be shown as below:
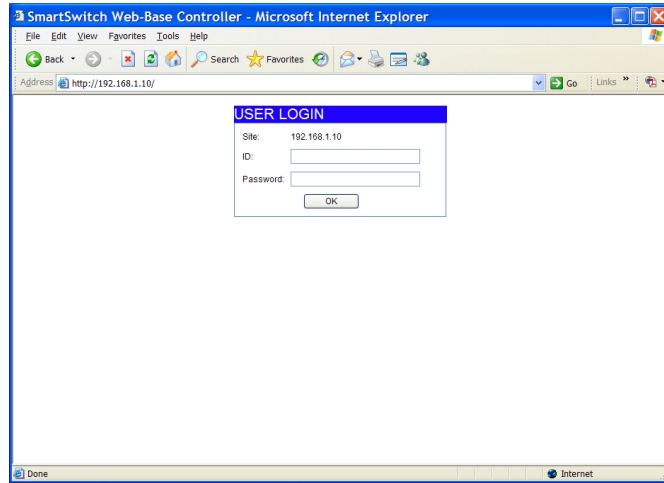
- Enter the factory default user name: admin. Enter the factory default password: admin.

  Then click on the "OK" button to log on to the switch.